Interl 1al Application No PCT/IB2004/003082

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/40 A61K31/426 A61K45/06 A61P3/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BIOSIS, EMBASE, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of t	1-12,15, 16,20-26	
Х	US 6 548 481 B1 (DEMUTH HANS-L 15 April 2003 (2003-04-15) claims 1,5,13,14 column 1, line 66 - column 2, column 7, paragraph 2		
Y	US 2003/119736 A1 (DEMUTH HANS AL) 26 June 2003 (2003-06-26) page 5, column 2, paragraph 5 column 1, paragraph 1 claims		
Υ	US 2003/162820 A1 (DEMUTH HANS AL) 28 August 2003 (2003-08-28 claims	1-26	
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	ther documents are listed in the continuation of box C.	X Patent family members are listed	i in annex.
"Special c "A" docum	eategories of cited documents : nent defining the general state of the art which is not idered to be of particular relevance	"T" later document published after the in or priority date and not in conflict will cited to understand the principle or invention	ternational filing date
"Special c "A" docum consi "E" earlier filling "L" docum which citatil "O" docum	categories of cited documents: nent defining the general state of the art which is not idered to be of particular relevance document but published on or after the international date nent which may throw doubts on priority claim(s) or his cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	"T" later document published after the in or priority date and not in conflict wis cited to understand the principle or invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the cannot be considered to involve an document of particular relevance; the cannot be considered to involve an document is combined with one or r	ternational filing date the application but theory underlying the claimed invention of be considered to focument is taken alone claimed invention Inventive step when the nore other such docu-
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Special course consists of the course consists of the course cour	rategories of cited documents: ment defining the general state of the art which is not idered to be of particular relevance document but published on or after the international date ment which may throw doubts on priority claim(s) or his cited to establish the publication date of another on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or means ment published prior to the international filing date but than the priority date claimed	"T" later document published after the in or priority date and not in conflict wis cited to understand the principle or invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the cannot be considered to involve an cannot be considered to involve an document is combined with one or ments, such combination being obvin the art. "&" document member of the same pater	ternational filing date the application but theory underlying the claimed invention of be considered to document is taken alone claimed invention inventive step when the nore other such docu- lous to a person skilled

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	GOODMAN G A ET AL: "GOODMAN and GILMAN'S The Pharmacological Basis of Therapeutics , (sulfonylureas, biguanides, thiazolidinediones, alpha-glucosidase inhibitors)" 2001, PHARMACOLOGICAL BASIS OF THERAPEUTICS, GOODMAN GILMAN'S PHARMACOLOGICAL BASIS OF THERAPEUTICS, NEW YORK, MACMILLAN PUBL. CIE, US, PAGE(S) 1701-1707, XP002330634 page 1701, column 2, paragraph 4 - page 17047, column 2, paragraph 3 page 1705, column 1, paragraph 3 page 1706, column 1, paragraph 2 - page 1706, column 2, paragraph 5 page 1706, column 2, paragraph 6 - page 1707, column 1, paragraph 2	1-26
Α	US 2003/139434 A1 (BALKAN BORK ET AL) 24 July 2003 (2003-07-24) the whole document	1-26
X,P	DE 299 24 609 U1 (PROBIODRUG AG) 22 April 2004 (2004-04-22) claims	1-26
X,P	WO 2004/031374 A (PROBIODRUG AG; KUEHN-WACHE, KERSTIN; BAER, JOACHIM; DEMUTH, HANS-ULRIC) 15 April 2004 (2004-04-15) page 53 page 75, paragraph 3 - paragraph 4	1-26

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1, 2, 5, 6 and 8-14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12, 23-25 (all partially), 13, 14

A method or pharmaceutical composition for glycaemic control in a mammal, comprising the administration of glutaminyl thiazolidine or glutaminyl pyrrolidine, or a pharmaceutically acceptable salt thereof, and an alpha glucosidase inhibitor.

2. claims: 1-12, 23-25, (all partially), 15, 16, 20-22, 26

A method or pharmaceutical composition for glycaemic control in a mammal, comprising the administration of glutaminyl thiazolidine or glutaminyl pyrrolidine, or a pharmaceutically acceptable salt thereof, and a biguanide.

3. claims: 1-12, 23-25, (all partially), 17

A method or pharmaceutical composition for glycaemic control in a mammal, comprising the administration of glutaminyl thiazolidine or glutaminyl pyrrolidine, or a pharmaceutically acceptable salt thereof, and an insulin secretagogue.

4. claims: 1-12, 23-25, (all partially), 18, 19

A method or pharmaceutical composition for glycaemic control in a mammal, comprising the administration of glutaminyl thiazolidine or glutaminyl pyrrolidine, or a pharmaceutically acceptable salt thereof, and an insulin sensitizer.

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